1117-52-179   **Alina Stancu*** (`alina.stancu@concordia.ca`), Department of Mathematics and Statistics, 1455 Blvd Maisonneuve West, Montreal, Quebec H3G 1M8, Canada. *A discrete version of centro-affine curvature.* Preliminary report.

We introduce a notion of centro-affine curvature for convex polytopes which can be further used to define global, non-trivial, centro-affine invariants for such polytopes. These invariants satisfy many of the properties of the p-affine areas for smooth convex bodies, including several geometric inequalities, some of which we will present here. (Received January 12, 2016)